AMENDMENTS TO THE CLAIMS

The following listing provides a copy of all pending claims and a status of each claim. Claims 2 and 14 are cancelled. Claims 1, 3-13, and 15-20 are currently amended. These amendments to the claims add no new matter. This listing of claims will replace all prior versions of claims.

Because of the numerous amendments to the claims, this amendment and response also contains a version of this current listing of the claims without markings showing changes. The version without markings showing changes immediately follows the **Remarks** section.

Listing of Claims

1. (Currently Amended) A system <u>in communication with a computer network</u> for manipulating <u>at least one </u>existing <s>websites</s> <u>website displayable over the computer network</u>, <s>said</s><u>the</u> system comprising:

a) <u>a processor portion and a memory portion having a computer software program stored thereon that comprises steps executable by the processor portion, wherein the executable steps comprise</u>:

i) <s>a computer software program to collect</s> <u>accessing</u> <s>data on</s> <u>the at least one </u>existing <s>websites</s><u>website as directed by a user of the system</u>;

ii) <s>a tracing means for</s> tracing <s>an </s><u>API calls by intercepting associated parameters and Internet Protocol network event data obtained from one or more application programming interfaces while accessing the at least one </u>existing website <s>when the website is being accessed by third party users</s>;

iii) <s>a filtering means for</s> filtering the <s>collected</s> <u>Internet Protocol network event </u>data <s>on existing websites</s>;

iv) <s>a generated</s><u>automatically generating a </u>source code<s>[[;]] and </s><u>from the traced and filtered Internet Protocol network event data that is executable by the processor portion, and thereby automatically generating an executable</u><s>a</s>

generated software robot that ~~mimic~~mimics ~~a~~the user using a web browser ~~on~~to access the ~~site~~ at least one existing website[[.]]; and

b) the automatically generated executable software robot stored in the memory portion for execution by the processor portion when an end user requests playback.

2. (Cancelled)

3. (Currently Amended)   The system of Claim 1 ~~further comprising:~~

~~a tracing means wherein said tracing means collects data from internet protocol network events., including winsock, Winlnet, shell, security, User, Active Directory, HTML and DOM application programming interfaces.~~ wherein the Internet Protocol network event data is obtainable from a group of APIs consisting of Winsock API, MICROSOFT Winlnet API, MICROSOFT shell API, MICROSOFT security API, MICROSOFT User API, MICROSOFT Active Directory API, MICROSOFT HTML API, MICROSOFT DOM API and/or any combination thereof.

4. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~a computer program~~ wherein ~~said~~ the computer software program ~~monitors~~ traces Internet Protocol network event data ~~data and events~~ obtainable on a computer running ~~on~~ a ~~Microsoft Windows~~MICROSOFT WINDOWS operating system~~s~~.

5. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~a computer program wherein said computer program monitors~~ the Internet Protocol network event ~~data and events~~ comprises data passed to and from a website browser application and/or a non-website browser application ~~a third party operating system~~.

6. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~a filtering means wherein~~ the executable step of ~~said~~ filtering ~~means allows for~~ is adapted for removal of redundant and useless ~~information collected~~ Internet Protocol network event data passed to and from the API calls ~~during the tracing, said information including~~ and wherein the executable step of filtering further comprises:

~~removal of~~removing network management packets that are acknowledgements and retries;

~~collation of~~collating IP packets into single HTTP based messages; and

~~collation of~~collating HTTP based messages into single records of ~~current~~ content objects, ~~including~~ wherein the content objects comprise HTML, images, audio, and other HTTP content.

7. (Currently Amended) The system of ~~Claim 1~~Claim 6 further comprising the executable steps of~~:~~

~~a filtering means wherein said filtering means analysis~~ analyzing the API calls and associated parameters and Internet Protocol network event data passed to and from the API calls ~~the trace performed~~, and

producing an XML extract file comprising~~said analysis produces~~:

an XML record for each content object in ~~the~~temporal order of receipt ~~the content was received~~;

an XML ~~record~~ redirect ~~records~~record and added redirect information;

an XML record for cookie reads;

an XML record for cookie writes;

an XML record for user navigation events;

an XML record for HTTP header information~~as XML~~; and

~~various other~~ one or more management information records relating to the API calls and associated parameters and Internet Protocol network event data passed to and from the API calls ~~to the network and user event traces~~.

8. (Currently Amended) The system of ~~Claim 1~~Claim 7 ~~further comprising:~~

~~the source code wherein said source code is generated by the computer program and further wherein said source code mimics what a user is doing during tracing and~~ wherein the executable step of generating source code further comprises ~~is generated by~~ transforming the XML extract file into executable source code via ~~to~~ XSL.

9. (Currently Amended) The system of ~~Claim 1~~Claim 7 ~~further comprising:~~

~~the source code wherein said source code is generated by the computer program and further~~ wherein said the executable step of generating source code further comprises ~~source code is generated by hard coding and further wherein said source code is generated by~~ using a computer language to parse ~~filtering means~~ the XML extract file ~~and generate some other useful product from the filtering means~~.

10. (Currently Amended) The system of ~~Claim 1~~Claim 8 ~~further comprising:~~

~~the source code wherein said source code is transformed to~~ wherein XSL transforms the XML extract file into source code written in a programming language selected from a group consisting of ~~wherein a XSL code exists for popular languages including Java, JavaScript, Visual Basic, Cold Fusion, C/C++, Pascal~~ JAVA, JAVASCRIPT, VISUAL BASIC, COLD FUSION, C/C++, PASCAL and a plurality of other computer languages.

11. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~the software robot~~ wherein ~~said~~ the software robot ~~can~~is adapted to interface with ~~a~~the at least one existing website and automatically manipulate the at least one existing website during use.

12. (Currently Amended) A method for manipulating an existing website in communication with a computer network, ~~said~~ the method comprising the steps of:

a) providing a system, also in communication with the computer network, comprising a processor portion and a memory portion having executable steps stored thereon for execution by the processor portion, wherein said executable steps comprise:

~~providing a computer software program to collect data on existing websites;~~

i) tracing ~~an existing website~~ API calls in temporal order between the system and the existing website and associated parameters and data associated with Internet Protocol (IP) network events passed to and from the API calls when a system user accesses the existing website ~~is being accessed by third party users~~;

ii) filtering the ~~collected data on existing websites~~;

iii) analyzing the data to produce an extract file~~collected from traced and filtered websites~~; and

iv) automatically generating a software robot that comprises executable source code derived from the extract file, wherein executing the source code parsed from the extract file automatically instructs the system to mimic interactions between the system user and the existing website[[.]]; and

b) executing steps i) through iv), thereby automatically generating a software robot that manipulates the existing website by automatically instructing the system to

mimic interactions between the system user and the existing website and that is adapted for playback on the IP network level at the request of an end user.

13. (Currently Amended) The method of Claim 12 further comprising <u>a step following the filtering step of</u> ~~the step of:~~

~~providing an~~ <u>recording to the memory portion the API calls and associated parameters and data passed to and from the API calls</u> ~~application programming interface to record data from existing websites.~~

14. (Cancelled)

15. (Currently Amended) The method of Claim 12 ~~further comprising the step of:~~

~~allowing~~<u>wherein the generating step comprises prompting</u> an end user to hard code the ~~generated~~ source code<u> from the XML extract file</u>.

16. (Currently Amended) The method of Claim 12 ~~further comprising the step of:~~

~~automating~~ <u>wherein the generating step comprises automating</u> the ~~generation~~ <u>derivation</u> of source code<u> from the XML extract file</u> ~~to an end user~~.

17. (Currently Amended) The method of Claim 12 ~~further comprising the step of:~~

~~allowing the computer program~~<u>wherein the software robot is adapted for interfacing with</u> ~~to interface with an~~<u>the</u> existing website to automatically ~~produce a desired outcome including:~~

~~automatic form~~-fill-in <u>one or more forms </u>on a web page;

~~interfacing with a website to~~ obtain information previously unattainable;

<u>to </u>~~performing~~<u>perform</u> system testing of a<u>the</u> website; and<u>/or</u> ~~performing software change controls~~ to monitor <u>the </u>existing ~~websites~~<u>website</u> for change ~~to the underlying site~~.

18. (Currently Amended) The method of Claim 12 further comprising the step of~~:~~ integrating the ~~software~~<u>executable steps</u> into a ~~web~~<u>website</u> browser as a ~~browser~~ plug-in.

19. (Currently Amended) The method of ~~Claim 12~~Claim 18 ~~further comprising the step of: integrating the software into a web browser as an extension wherein the integrated software may display~~ wherein the source code is adapted for interactive stepping through on a page-by-page or event-by-event basis so that debug messages adapted for providing full interactive debugging capability to the source code, HTTP header parameters, and other data are displayed in the plug-in.

20. (Currently Amended) The method of Claim 12 further comprising ~~the~~ a final step ~~of:~~
~~allowing an end user to click on~~ displaying a selectable ~~a~~ button in a web browser plug-in that automates completion of ~~completes~~ multiple forms without further user intervention.